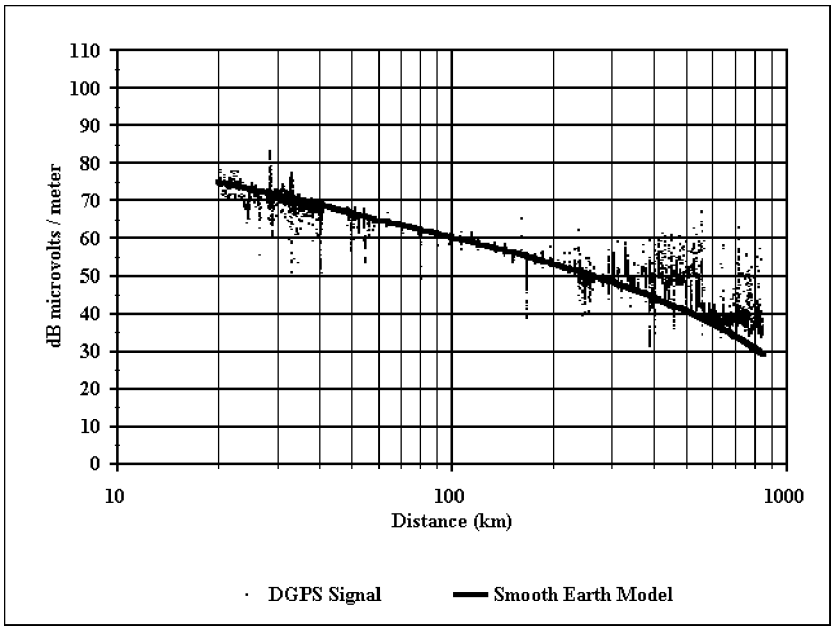

Figure 43. Comparison of measured and predicted field strength vs. distance for Aransas Pass, Texas - smooth earth.

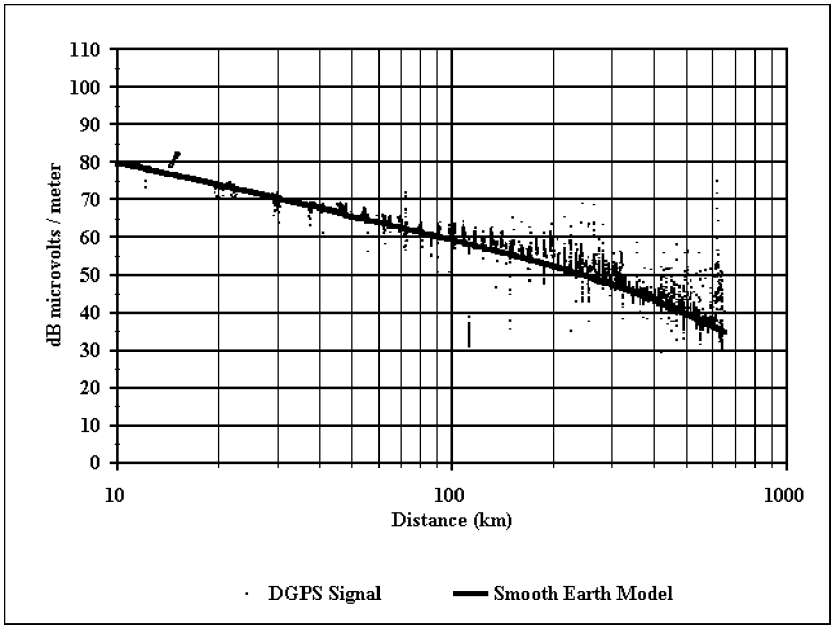

Figure 44. Comparison of measured and predicted field strength vs. distance for Galveston, Texas - smooth earth.

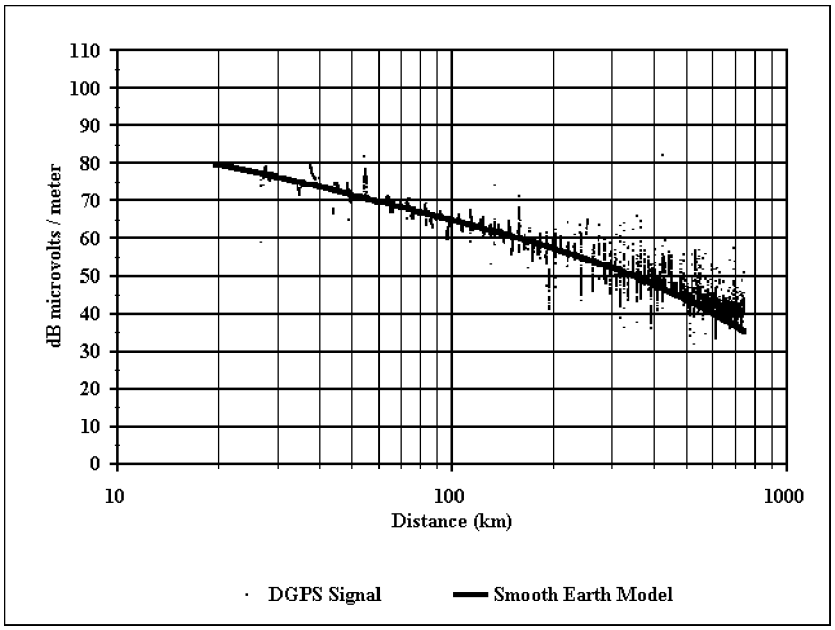

Figure 45. Comparison of measured and predicted field strength vs. distance for English Turn, Louisiana - smooth earth.

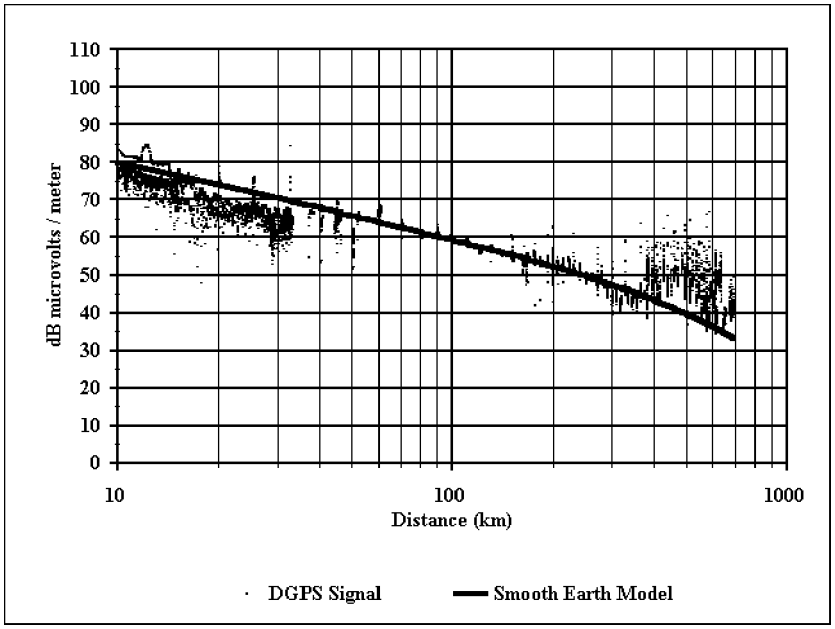

Figure 46. Comparison of measured and predicted field strength vs. distance for Mobile Point, Alabama - smooth earth.

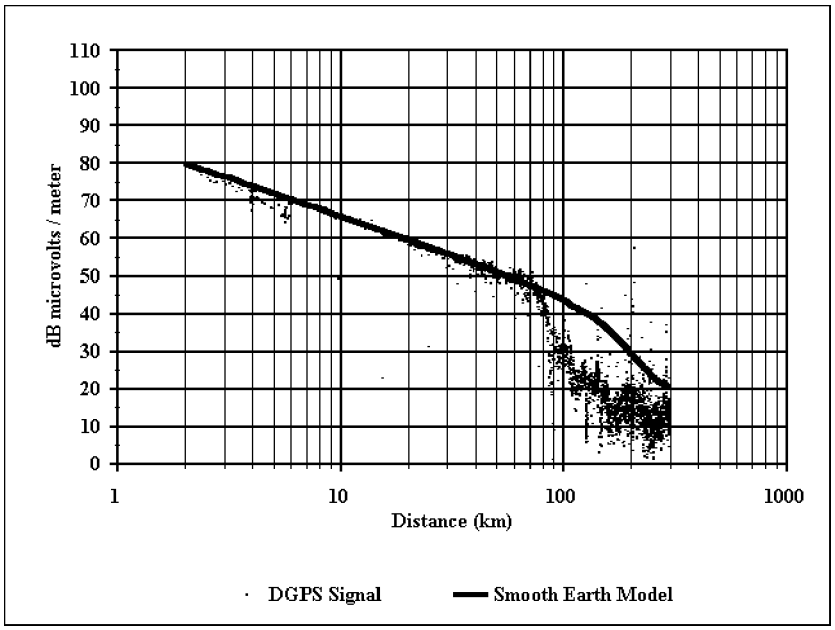

Figure 47. Comparison of measured and predicted field strength vs. distance going west from the FAA beacon at Bennett, Colorado - smooth earth.

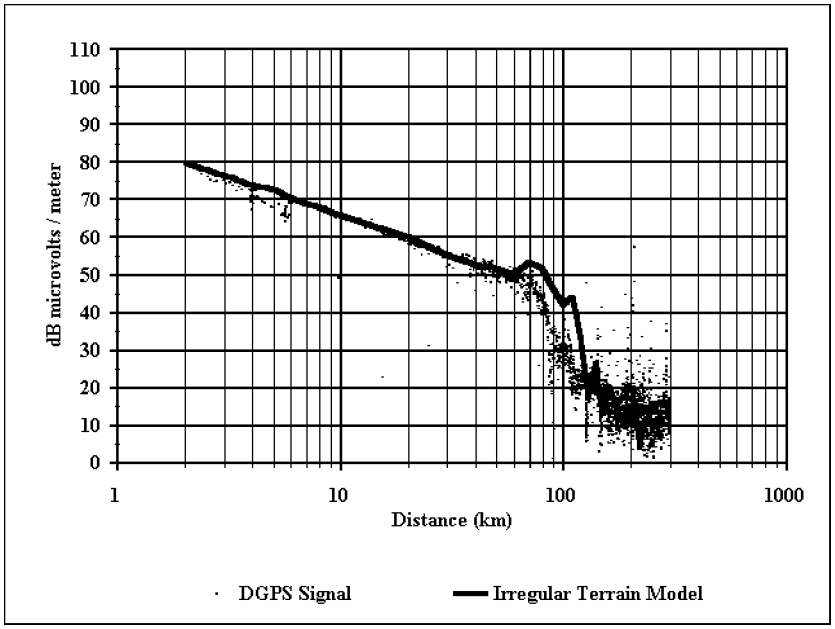

Figure 48. Comparison of measured and predicted field strength vs. distance going west from the FAA beacon at Bennett, Colorado - irregular terrain.

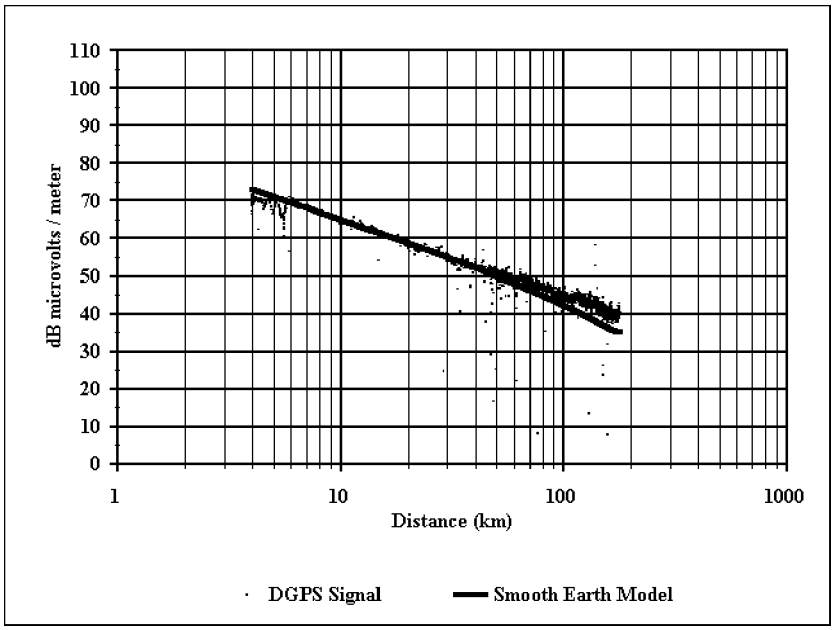

Figure 49. Comparison of measured and predicted field strength vs. distance going north from the FAA beacon at Bennett, Colorado - smooth earth.

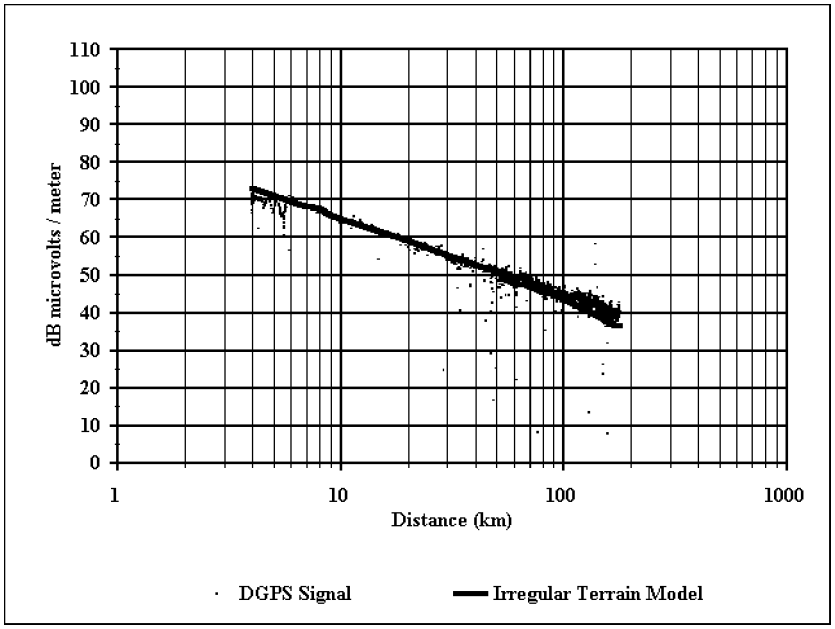

Figure 50. Comparison of measured and predicted field strength vs. distance going north from the FAA beacon at Bennett, Colorado - irregular terrain.

10. ACKNOWLEDGMENT

The authors wish to thank James A. Arnold of the Federal Highway Administration, Department of Transportation for funding this work.

11. REFERENCES

[1] W.J. Dixon, and F.J. Massey, *Introduction to Statistical Analysis*, New York: McGraw-Hill, Inc., 1969, pp. 345-347.

[2] E. Haakinson, S. Rothschild, and B. Bedford, "MF broadcasting system performance model," NTIA Report 88-237, Aug. 1988.

[3] N. DeMinco, "Ground-wave analysis model for MF broadcast systems," NTIA Report 86-203, Sep. 1996.

[4] K. Furutsu, R.E. Wilkerson, and R.F. Hartmann, "Some numerical results based on the theory of radio wave propagation over inhomogeneous earth," *Radio Science* 68D, No. 7, pp. 827-846, Jul. 1964.